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File: DWPI

Dec 21, 2000

DERWENT-ACC-NO: 2001-104051

DERWENT-WEEK: 200112

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TITLE: Pressed ground coffee or tea leaf tablets disintegrating in aqueous liquid and storable coffee or tea extract tablets contain disintegration agent, wetting agent, additive and gelatin as binder

INVENTOR: KENKE D ; WALKOWIAK R

PATENT-ASSIGNEE:

ASSIGNEE	CODE
KENKE D	KENKI
WALKOWIAK R	WALKI

PRIORITY-DATA: 1999DE-1027963 (June 18, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 19927963A1	June 18, 1999	1999DE-1027963	

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ABSTRACTED-PUB-NO: [DE 19927963 A1](#)

BASIC-ABSTRACT:

NOVELTY - Easily handled beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids, contain ground coffee beans or tea leaves, pressed

DESCRIPTION - An INDEPENDENT CLAIM is also included for storable beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids and contain a solid fraction, obtained by ultrafiltration or freeze drying of aqueous coffee or tea extract, and other ingredients.

ADVANTAGE - The tablets are more hygienic than e.g. usual coffee powders or extract powders or granules, as they avoid the risk of contamination. They can also be packed individually to prevent deterioration of e.g. caffeine and chlorogenic acid by contact with atmospheric oxygen.

FOOD

Preferred Storable Tablets: The storable beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids, contain:

(a) a solid fraction, obtained by ultrafiltration or freeze drying of aqueous coffee or tea extract;

(b) disintegration agent(s) comprising:

(i) starch(es), cellulose derivative(s), alginate(s), dextran(s) and/or cross-linked polyvinylpyrrolidone compound(s) as adsorbent; and

(ii) sodium hydrogen carbonate, citric acid and/or tartaric acid as gas-liberating agent;

(c) a hydrophilizing agent to wet the fraction;

(d) additive(s) selected from sweeteners, sugar compounds and dried milk products;
and

(e) a gelatin compound as binder.

The solid enriched coffee fraction forms a single layer or several layers of the tablets and preferably is mixed with the disintegration agent. The tablets have the composition (a) 10-100, preferably 10-60, especially 30-50 parts weight fraction, (b) 1-25, preferably 10-25, especially 15-20 parts weight disintegration agent, comprising a 1/1 mixture of adsorbent and gas-liberating agent, (c) 5-15, especially 8-10 parts weight hydrophilizing agent, (d) 2-15, especially 5-10 parts weight additive(s) and (e) 5-10, especially 5-8 parts weight gelatin as binder.

TITLE-TERMS: PRESS GROUND COFFEE TEA LEAF TABLET DISINTEGRATE AQUEOUS LIQUID
STORAGE EXTRACT CONTAIN AGENT WET ADDITIVE GELATIN BIND

DERWENT-CLASS: A97 D13

CPI-CODES: A12-W09; D03-D01; D03-D02;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0419U ; 0540U ; 1151U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; G3714 P0599 D01 F70 R24033 95972; S9999 S1456*R;

Polymer Index [1.2]

018 ; ND01; Q9999 Q7589*R; B9999 B3532 B3372; K9905;

Polymer Index [1.3]

018 ; Q9999 Q6791;

Polymer Index [2.1]

018 ; G3634*R D01 D03 D11 D10 D23 D22 D31 D42 D76 F24 F34 H0293 P0599
G3623; D01 D11 D10 D23 D22 D31 D42 D50 D76 D86 F24 F29 F26 F34 H0293
P0599 G3623 R01863 107779; G3623 D01 D23 D22 D31 D42 D50 D61 D76 D86 F24
F28 F26 F34 F36 F35 H0293 P0599 R07226 133925; D01 D11 D10 D23 D22 D31
D42 D50 D76 D86 F24 F29 F26 F34 H0293 P0599 G3623 R01857 R01863 107779
92818;

Polymer Index [2.2]

018 ; G0635 G0022 D01 D12 D10 D23 D22 D31 D41 D51 D53 D58 D75 D86 F71;
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Polymer Index [2.3]

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